

## 例子：殖民地時代的鐵匠

鐵匠是殖民地時代最重要的技術。鐵匠要做很多不同的工作，像製作鐵鎖（鎖匠），製作手槍的鐵管（槍匠），或是製作馬蹄鐵。在殖民地時代，一個會製作鐵鎖（鎖匠），製作手槍的鐵管（槍匠），還有製作馬蹄鐵的人叫 village smithy 或是鐵匠。如果村裡沒有牙醫，鐵匠會拿他的鐵鉗(pliers)去幫殖民者拔牙。一個鐵匠也會製作馬輪的鐵筐，刀子和工具，鐵釘，和門栓。一個鐵匠要會修任何有關鐵的產品。

鐵匠要把鐵棒放到磚爐裡加熱到攝氏 3000 度以上直到鐵棒變成金黃色，可以把高溫過的鐵棒放在鐵砧(Anvil)上用鐵鎚子敲打鐵棒打成你要的形狀。鐵匠的鐵鎚有可能是十二磅重。鐵匠也會用其他的工具，像小鐵錘，鐵砧，鐵鉗，鐵夾，防熱手套和防熱圍裙。

你知道嗎？一個殖民者要當很多年的鐵匠學徒才可以稱為一個鐵匠。鐵匠學徒要跟鐵匠師父學八年才能成為一個正式的鐵匠。在這八年，學徒沒有薪水賺，但是鐵匠師父要提供學徒吃住的地方。因為一個殖民者需要用八年的時間來成為一個鐵匠，因此大部份的鐵匠一生不會換工作。

Below is an example of a colonial trade description for a blacksmith.

## The Colonial Blacksmith

The colonial blacksmith was one of the most important people in colonial blacksmith. The term blacksmith included the jobs of several specialists: making locks (locksmith), making gun barrels (gunsmith), shod horses (ferrier), but if one person performed all of these tasks, he was known as the village smithy or blacksmith. If the village lacked a dentist, the blacksmith could be called upon to pull teeth since he was certain to have a pair of pliers. The blacksmith was also responsible for making wheel rims, knives and tools, nails, and door hinges. He was also called upon to repair most anything made of metal.

The blacksmith worked by heating the metal bars to 3000 degrees until yellow-hot in a forge with a raised brick hearth outfitted with bellows to feed its coal fire. With the help of his apprentices and journeymen, the smith then used sledge hammers weighing as much as 12 pounds to hammer the bar into shape. His other tools included smaller hammers, anvils, pliers, tongs, gloves and a heavy apron.

It took several years for a man to become a blacksmith. First, he had to serve for 8 years as an apprentice working with a master blacksmith. During this time, he was not paid, but the master was responsible for providing him with room and board. The apprenticeship was followed by 5 years as a journeyman where he worked as a traveling craftsman. Finally, he became a blacksmith and could set up his own shop. Because of the long training process, people seldom switched jobs during their lifetimes.



Left: Pliers and small hammer  
Above: Anvil